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**Aziridinyl compounds**

PA Dow Chemical Co.

SO Neth. Appl., 11 pp.

DT Patent

LA Dutch

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AB Aziridinyl alcs. (I) are treated with carboxylic acid esters. Thus, into a 3 l. distilling vessel, equipped with a distillation column filled with Cu and containing 1762 g. EtOAc (dried with mol. sieves) under reflux, was added in 29 min. 164.5 g. N-(2-hydroxyethyl)aziridine, containing 9.5 g. Na 2-(1-aziridiny)ethoxide and the mixture refluxed 7 hrs. while separating 940 g. azeotrope of EtOH-EtOAc to give 185.5 g. 2-(1-aziridiny)ethyl acetate, b<sub>63</sub> 99-100°, d<sub>20</sub> 1.004, n<sub>25</sub> D 1.4315. Similarly were obtained the analogous following 2-(1-aziridiny)-ethyl esters (ester and properties given): butyrate, b<sub>1.5</sub> 66°, d<sub>20</sub> 0.958, n<sub>24</sub> D 1.443; methacrylate, b<sub>0.1</sub> 44-50°, d<sub>20</sub> 1.014, n<sub>20</sub> D 1.4585; acrylate, b<sub>0.75</sub> 37°, d<sub>20</sub> 0.990, n<sub>20</sub> D 1.4642; benzoate, b<sub>0.13</sub> 90-100°, d<sub>20</sub> 1.100, n<sub>23</sub> D 1.5193. Bis[2-(1-aziridiny)ethyl]adipate b<sub>0.2</sub> 135°, d<sub>20</sub> 1.079, n<sub>23</sub> D 1.4674. 2-(1-Aziridiny)isopropyl acetate b<sub>2.25</sub> 45°. The compds. are useful as inhibitors of the corrosion of Al by halogenated hydrocarbons, e.g. 1,1,1-trichloroethane